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RMA Industry Report

CONFIDENTIAL

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

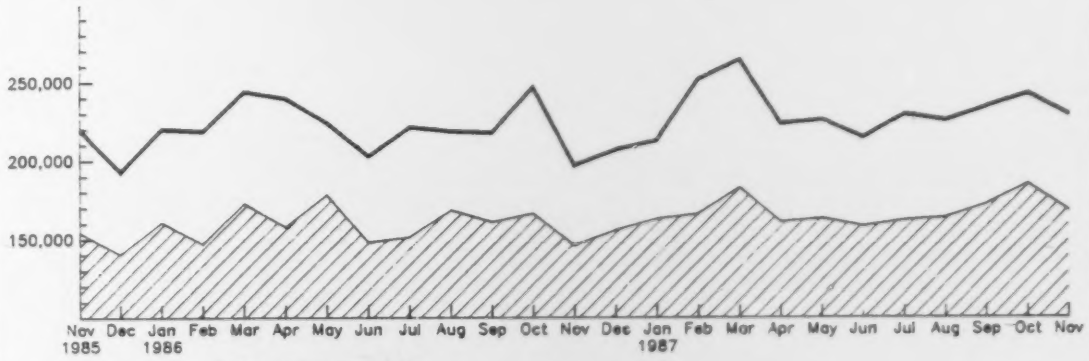
RUBBER CONSUMPTION
MONTHLY REPORT

RMA 2
NOVEMBER 1987

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly analysis of production, imports, exports, stocks, and apparent consumption of both natural and synthetic rubber. The procedures used by Management Information Services (MIS) of RMA to compile the data are reviewed annually by the RMA Rubber Statistical Committee which is made up of rubber industry representatives. The categories were selected to conform with the Standard Industrial Classifications (SIC) codes assigned by the the United States Department of Commerce, Bureau of the Census and are so annotated.

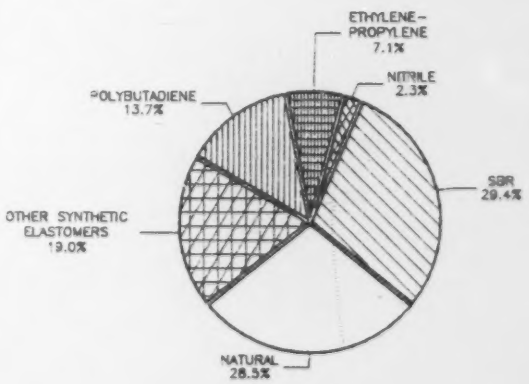
Total consumption for November 1987 is up +16.3% from November 1986, and synthetic consumption is up +15.3%. Please note that 1986 Natural Rubber Apparent Consumption figures include INRO Stocks of 2,392 metric tons for the year. 71.5% of all rubber consumed in 1986 was synthetic, of which almost half was SBR, as shown in the charts below.

MONTHLY TOTAL RUBBER CONSUMPTION – NATURAL & SYNTHETIC


250,000
200,000
150,000
Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov
1985 1986 1987
Total New Rubber
Synthetic Rubber

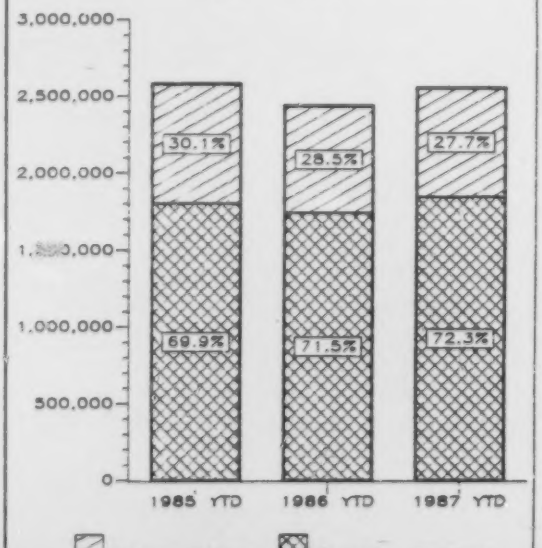
NOTE: NATURAL RUBBER CONSUMPTION IS THE VERTICAL DISTANCE BETWEEN THE CURVES
(Figures in Metric Tons)

1986 RUBBER CONSUMPTION BY TYPE



NOTE: POLYCHLOROPRENE INCLUDED IN OTHER CATEGORY

YTD CONSUMPTION OF NEW RUBBER 1985 – 1987



(Figures in Metric Tons)

RMA # 2

RMA INDUSTRY RUBBER REPORT
(FIGURES ARE EXPRESSED IN METRIC TONS)

ISSUED - DATE: 02/02/88

MONTH: November 1987

U.S. SIC CODE		November 1987	November 1986	% CHANGE YEARLY	October 1987	% CHANGE MONTHLY	CUMULATIVE 1987	CUMULATIVE 1986	% CHANGE 87 vs 86
	TOTAL NEW RUBBER								
	Beginning Stocks	277,053	308,500	-10.19	291,936	-5.10			
	New Rubber Available	273,723	223,070	22.71	268,572	1.92	2,978,771	2,785,231	6.95
	Imports	90,779	77,484	17.16	77,574	17.02	991,476	947,152	4.68
	Exports	43,307	32,223	34.40	38,584	12.24	458,161	359,920	27.30
	Apparent Consumption	228,627	196,540	16.33	242,473	-5.71	2,550,272	2,431,889	4.87
	Ending Stocks	278,842	302,806	-7.91	279,451	-.22			
	TOTAL NATURAL RUBBER								
	Beginning Stocks	65,738	77,433	-15.10	70,241	-6.41			
08490 11	Imports	63,855	53,989	18.27	55,629	14.79	730,436	712,615	2.50
+	Exports	3,500	2,424	44.39	2,629	33.13	33,282	34,228	-2.76
08490 13	Stock Pile Deliveries								
	Apparent Consumption	60,625	50,772	19.41	57,389	5.64	706,445	692,374	2.03
	% Total New Rubber	26.51	25.83		23.66		27.70	28.47	
	Ending Stocks	65,468	78,226	-16.31	65,852	-.58			
08490 11	NATURAL RUBBER DRY								
	Beginning Stocks	60,566	71,650	-15.47	63,928	-5.26			
	Imports	53,153	48,060	10.60	49,262	7.90	658,429	646,229	1.89
	Exports	2,739	1,710	60.18	1,730	58.32	24,362	27,208	-10.46
	Stock Pile Deliveries								
	Apparent Consumption	54,562	45,302	20.44	50,781	7.45	645,383	633,512	1.87
	Ending Stocks	56,418	72,698	-22.39	60,679	-7.02			
08490 13	NATURAL RUBBER LATEX								
	Beginning Stocks	5,172	5,783	-10.57	6,313	-18.07			
	Imports	10,702	5,929	80.50	6,367	68.09	72,007	66,386	8.47
	Exports	761	714	6.58	899	-15.35	8,920	7,020	27.07
	Stock Pile Deliveries								
	Apparent Consumption	6,064	5,471	10.84	6,609	-8.25	61,062	58,863	3.74
	Ending Stocks	9,049	5,527	63.72	5,172	74.96			
	TOTAL SYNTHETIC RUBBER								
	Beginning Stocks	211,315	231,066	-8.55	221,695	-4.68			
	Production	182,944	145,586	25.66	190,998	-4.22	1,987,295	1,838,079	8.12
	Imports	26,924	23,495	14.59	21,945	22.69	261,040	234,537	11.30
	Exports	39,807	29,799	33.59	35,955	10.71	424,879	325,692	30.45
	Apparent Consumption	168,002	145,767	15.25	185,084	-9.23	1,843,827	1,739,515	6.00
	% Total New Rubber	73.48	74.16		76.33		72.29	71.52	
	Ending Stocks	213,374	224,581	-4.99	213,599	-.11			
	TOTAL SBR								
	Beginning Stocks	80,467	89,472	-10.06	88,834	-9.42			
28220 11 +	Production	73,308	67,916	7.94	72,490	1.13	772,772	717,313	7.73
28220 12	Imports	9,458	7,847	20.53	6,989	35.33	77,417	89,615	-13.61
	Exports	16,623	11,431	45.42	13,132	26.58	158,753	101,970	55.69
	Apparent Consumption	63,213	62,308	1.45	74,714	-15.39	709,475	710,618	-.16
	Ending Stocks	83,397	91,496	-8.85	80,467	3.64			
28220 11	SBR Dry								
	Beginning Stocks	75,332	84,609	-10.96	84,648	-11.01			
	Production	70,324	65,204	7.85	67,106	4.80	731,050	679,759	7.55
	Imports	6,671	4,941	35.01	5,034	32.52	52,153	64,347	-18.95
	Exports	12,206	9,634	26.70	10,724	13.82	131,212	81,118	61.75
	Apparent Consumption	61,943	58,194	6.44	70,732	-12.43	671,462	669,271	.33
	Ending Stocks	78,178	86,926	-10.06	75,332	3.78			
28220 12	SBR LATEX								
	Beginning Stocks	5,135	4,862	5.61	4,187	22.64			
	Production	2,983	2,712	9.99	5,385	-44.61	41,722	37,554	11.10
	Imports	2,787	2,906	-4.09	1,955	42.56	25,264	25,268	-.02
	Exports	4,417	1,797	145.80	2,408	83.43	27,541	20,852	32.08
	Apparent Consumption	1,268	4,113	-69.17	3,984	-68.17	38,014	41,348	-8.06
	Ending Stocks	5,220	4,570	14.22	5,135	1.66			

MONTH: November 1987

U.S. SIC CODE		November 1987	November 1986	% CHANGE YEARLY	October 1987	% CHANGE MONTHLY	CUMULATIVE 1987	CUMULATIVE 1986	% CHANGE 87 vs 86
	TOTAL NITRILE								
	Beginning Stocks	14,062	13,466	4.43	14,373	-2.16			
28220 41 +	Production	5,714	4,264	34.01	5,154	10.87	61,800	55,440	11.47
28220 42	Imports	1,505	885	70.06	1,476	1.96	14,591	11,021	32.39
	Exports	1,258	1,026	22.61	1,179	6.70	12,384	10,928	13.32
	Apparent Consumption	5,456	4,684	16.48	5,762	-5.31	61,461	56,351	9.07
	Ending Stocks	14,567	12,905	12.88	14,062	3.59			
28220 50	POLYBUTADIENE								
	Beginning Stocks	33,030	40,872	-19.19	32,146	2.75			
	Production	32,213	17,160	87.72	33,940	-5.09	338,276	306,198	10.48
	Imports	6,629	7,615	-12.95	6,300	5.22	75,095	54,013	39.03
	Exports	4,592	3,122	47.09	3,851	19.24	55,628	20,687	168.90
	Apparent Consumption	32,965	27,916	18.09	35,497	-7.13	361,025	333,755	8.17
	Ending Stocks	34,315	34,609	-.85	33,038	3.87			
28220 57	ETHYLENE-PROPYLENE								
	Beginning Stocks	50,702	49,838	1.73	49,673	2.07			
	Production	20,683	16,710	23.78	22,374	-7.56	231,459	214,900	7.71
	Imports	768	192	300.00	900	-14.67	6,285	4,325	45.32
	Exports	4,674	2,953	58.28	3,505	33.35	43,231	41,199	4.93
	Apparent Consumption	17,782	14,121	25.93	18,740	-5.11	190,482	171,962	10.77
	Ending Stocks	49,697	49,666	.06	50,702	-1.98			
	BUTYL, POLYISOPRENE, POLYCHLOROPRENE, SILICONE AND OTHER SYNTHETIC ELASTOMERS								
28220 45 +	Beginning Stocks	33,054	37,419	-11.67	36,669	-9.86			
28220 60 +	Production	51,026	39,536	29.06	57,040	-10.54	582,988	544,228	7.12
28220 72	Imports	8,564	6,956	23.12	6,280	36.37	87,652	75,563	16.00
	Exports	12,660	11,267	12.36	14,288	-11.39	154,883	150,908	2.63
	Apparent Consumption	48,586	36,738	32.25	50,372	-3.55	521,383	466,828	11.69
	Ending Stocks	31,398	35,906	-12.56	35,329	-11.13			
Included in 28220 45	Butyl								
	Imports	5,970	2,921	104.38	2,807	112.68	45,648	47,424	-3.74
	Exports						210		
Included in 28220 45	Polyisoprene								
	Imports	409	1,300	-68.54	780	-47.56	10,092	5,189	94.49
	Exports	892	640	39.38	541	64.88	7,131	4,428	61.04
Included in 28220 45	Polychloroprene								
	Imports	750	788	-4.82	674	11.28	6,944	5,018	38.38
	Exports	2,947	2,698	9.23	3,844	-23.34	41,171	43,119	-4.52
	IMPORTS OF								
	GUTTA BALATA						54		400.00
	GUTTA PARCHA	405	368	10.05	1,228	-67.02	15,485	5,615	175.78
	JELUTONG	40	121	-66.94	161	-75.16	1,308	1,185	10.38

* Natural Rubber Apparent Consumption figures include INRO Stocks, For your purposes:

Latest INRO STOCK figures available to RMA indicate 2,392 as of September .

RUBBER MANUFACTURERS ASSOCIATION INDUSTRY RUBBER REPORT

This report relies upon a panel composed of approximately seventy-five (75) companies. The monthly consumption reported by these companies is combined with data from the RMA 7 "Synthetic Rubber Producers Report", RMA 200 "Importers Shipments of Natural Rubber Latex Report", and RMA 201 "Natural Rubber Dealers Shipments Report". It is the feeling of the RMA Rubber Statistical Committee that this manner of data collection represents a valid sampling for statistical purposes.

The report presents the following categories for selected rubber types:

BEGINNING STOCKS: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the U.S. Government's MA30A annual report. Beginning stock figures may differ from prior month closing stocks due to inventory adjustments.

PRODUCTION: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the U.S. Government's MA30A annual report.

IMPORTS: RMA import figures are based upon Tariff Schedules of the United States Annotated (TSUSA) numbers:

Natural Rubber Dry data monitored by RMA are TSUSA Numbers: 446.0544, 446.0548, 446.0552, 446.0556, 446.0560, 446.0564, 446.0568, 446.0572, 446.0576, 446.0580, and 446.0584. The Natural Rubber Latex TSUSA Number monitored by RMA is 446.0540 with Gutta Balata, Gutta-percha, and Jelutong or pontianak derived from TSUSA Numbers 446.0510, 446.0520 and 446.0530.

RMA natural rubber import numbers do not contain TSUSA Numbers: 446.1000 (Natural rubber containing filler, etc.) and 446.1200 (Chlorinated natural rubber).

Synthetic Rubber TSUSA Numbers monitored by RMA are: 446.1539, 446.1571, 446.1576, and 446.1597 (SBR Dry); 446.1535 (SBR Latex); 446.1516 (Polybutadiene); 446.1506 (Butyl); 446.1511 (Nitrile); 446.1531 (Polyisoprene); 446.1526 (Ethylene-propylene); 446.1521 (Polychloroprene); and 446.1533 and 446.1557 (Elastomers).

RMA synthetic rubber import numbers do not contain the following TSUSA Numbers: 446.1544 (Styrene-butadiene containing over 50% styrene); 446.1580 (Silicone); 446.2000 (Reclaimed rubber of all kinds); and 446.3000 (Mixtures of any of the foregoing).

EXPORTS: RMA export figures are based upon the following United States Schedule B Numbers:

Natural Rubber (Dry) export number is 446.0515 and 446.0505 for Natural Rubber (Latex). RMA natural rubber export numbers do not contain Schedule B Numbers 446.1000 and 446.1200.

Synthetic rubber export Schedule B Numbers monitored by RMA are as follows: 446.1541, 446.1571, and 446.1576 (SBR Dry); 446.1536 (SBR Latex); 446.1516 (Polybutadiene); 446.1506 (Butyl); 446.1511 (Nitrile); 446.1531 (Polyisoprene); 446.1526 (Ethylene-Propylene); 446.1521 (Polychloroprene); and 446.1547 and 446.1561 (Elastomers).

RMA synthetic rubber export numbers do not contain Schedule B Numbers 446.2000 (Reclaimed) and 446.3000 (Mixtures).

APPARENT CONSUMPTION: Figures are calculated by RMA by adding Beginning Stocks to Production and Imports, and subtracting Exports and Ending Stocks. The consumption figures for natural rubber contains International Natural Rubber Organization (INRO) stock purchases, since the amounts are not disclosed for ninety (90) days. The latest available stock figure is presented for your use should you wish to subtract it from the apparent consumption figure shown.

ENDING STOCKS: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the U.S. Government's MA30A annual report.

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Telephone: (202) 682-4860.